

ANALYTICAL REPORT

DATE 9/25/80

REQ. NO. 5096 JOB NO. \_\_\_\_\_

ANALYST S. Hoatson

PROJECT 1030

TYPE SAMPLES GEOTHERMAL WATER

REQUESTED BY H.D. Pilkington

SAMPLE	Na	K	Ca	Mg	SiO <sub>2</sub>	SAMPLE	Li	B	SO <sub>4</sub>	Cl	F
	PPM	PPM	PPM	PPM	PPM		PPM	PPM	PPM	PPM	PPM
01 W-14975	470.	11.	14.	8.5	47.	31 W-14975	<1	5.4	780.	90.	1.0
02 76	390.	5.6	1.3	0.3	62.	32 76	<1	3.3	62.	20.	10.
03 77	140.	4.8	1.0	<1	72.	33 77	<1	0.6	17.	6.2	4.2
04 W14978	87.	12.	4.3	0.8	80.	34 W14978	<1	0.5	22.	16.	3.3
05						35					
06						36					
07						37					
08						38					
09						39					
10 W-						40 W-					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20 W-						50 W-					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					
30						60					

METHODS: Digestion- Sample Weight-  
 Determination- Na, K, Ca, Mg, SiO<sub>2</sub>, Li: AA  
 B: CARMINIC ACID COLORIMETRIC  
 F: SPECIFIC ION ELECTRODE  
 REMARKS: Cl: MERCURIMETRIC TITRATION  
 SO<sub>4</sub>: TURBIDIMETRIC

NOTE: Mail Original to  
 AMAX Exploration, Inc.,  
 P. O. Box C  
 Denver, Colorado 80226

Copies to:  
 1. H.D. Pilkington At Geothermal  
 2. Geothermal Office At  
 3. E. J. Rowe At Denver Lab  
 4. S. C. Hoatson Denver Lab  
 5. J. E. Deymonaz @ Geothermal  
 DEN 121974

LAB Amax - Denver

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	SAMPLE	pH		Mo ppb	Cu ppb			SAMPLE	pH		Mo ppb	Cu ppb	
01	<u>W14975</u>	<u>8.2</u>						31					
02	<u>76</u>	<u>9.2</u>						32					
03	<u>77</u>	<u>9.5</u>						33					
04	<u>W14978</u>	<u>8.5</u>						34					
05								35					
06								36					
07								37					
08								38					
09								39					
10								40					
11								41					
12								42					
13								43					
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24								54					
25								55					
26								56					
27								57					
28								58					
29								59					
30								60					

METHODS: Digestion-

Sample Weight-

Determination-

Mo, Cu - colorimetric

pH - electrometric

REMARKS: Mo, Cu To be reported at a later date

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	SAMPLE	Temp. °C	K			SAMPLE					
01	w14975	25°	2364			31					
02	76	↓	1609			32					
03	77	↓	619			33					
04	w14978	25°	474			34					
05						35					
06						36					
07						37					
08						38					
09						39					
10						40					
11						41					
12						42					
13						43					
14						44					
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23						53					
24						54					
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26						56					
27						57					
28						58					
29						59					
30						60					

METHODS: Digestion-  
Determination-  
Wheatstone Bridge.

Sample Weight-  
K = conductivity  
in umhos/cm

REMARKS:

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